

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1113	(137/614.11).CCLS.	USPAT; USOCR	OR	OFF	2009/03/13 12:54
L12	353	(277/348).CCLS.	USPAT; USOCR	OR	OFF	2009/03/13 13:10
L13	4975	seal with (rotat\$4 with opening)	US-PGPUB; USPAT	OR	OFF	2009/03/13 13:22
L14	194	(277/908).CCLS.	USPAT; USOCR	OR	OFF	2009/03/13 13:25
L15	222	(277/504).CCLS.	USPAT; USOCR	OR	OFF	2009/03/13 13:30
L16	829	seal with (rotat\$4 with expand\$4)	US-PGPUB; USPAT	OR	OFF	2009/03/13 13:40
L17	58	l16 and ((aperture or opening) with (radially with expand\$4))	US-PGPUB; USPAT	OR	ON	2009/03/13 13:40
L18	15	("2663467"   "3188070"   "3366363"   "3371906"   "3383131"   "4030629"   "4092010"   "4412669"   "4523737"   "4705518"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 13:43
L19	9	("5112324").URPN.	USPAT	OR	OFF	2009/03/13 13:45
L20	41	("4917668"   "5104383"   "5127626"   "5180373"   "5197955"   "5209736"   "5209737"   "5242412"   "5304143"   "5308336"   "5342315"   "5350364"   "5354280"   "5380288"   "5388553"   "5391153"   "5391154"   "5407433"   "5411483"   "5443452"   "5485553"   "5492304"   "5496280"   "5542931"   "5545142"   "5549565"   "5584850"   "5603702"   "5628732"   "5634908"   "5693031"   "5709664"   "5752938"   "5782812"   "5792113"   "5803919"   "5827228"   "5871471"   "5895377"   "6083203"   "6093176").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:23

L21	7	("4978341"   "5127626"   "5180373"   "5201714"   "5312363"   "5330437"   "5391154").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:36
L22	61	("2797837"   "3197173"   "3473779"   "3875938"   "3970089"   "3977400"   "4000739"   "4177814"   "4233982"   "4240411"   "4243034"   "4338934"   "4379458"   "4424833"   "4430081"   "4512766"   "4531937"   "4535773"   "4569502"   "4580573"   "4609300"   "4610665"   "4610674"   "4611785"   "4626245"   "4629450"   "4634432"   "4654030"   "4655752"   "4673393"   "4759751"   "4798594"   "4813938"   "4842591"   "4857062"   "4874377"   "4895346"   "4909798"   "4917668"   "4929235"   "4935010"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5006114"   "5009391"   "5053014"   "5098393"   "5112321"   "5127626"   "5161773"   "5180373"   "5197955"   "5205831"   "5209737"   "5256150"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:41
L23	2	("4723550"   "4842591"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:44
L24	61	("5209737").URPN.	USPAT	OR	OFF	2009/03/13 14:45

L25	87	("0729423"   "2797837"   "3086797"   "3197173"   "3438607"   "3766916"   "3811440"   "3856010"   "3875938"   "3920215"   "3970089"   "3977400"   "3994287"   "4000739"   "4149535"   "4177814"   "4231400"   "4240411"   "4243034"   "4324239"   "4338933"   "4378013"   "4424833"   "4430081"   "4436519"   "4473369"   "4475548"   "4496348"   "4580573"   "4610665"   "4610674"   "4626245"   "4634421"   "4654030"   "4655752"   "4673393"   "4699356"   "4715360"   "4723550"   "4758225"   "4786028"   "4798594"   "4817631"   "4839471"   "4842591"   "4857062"   "4869717"   "4895346"   "4895565"   "4909798"   "4917668"   "4929235"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5009391"   "5009643"   "5041095"   "5053014"   "5053016"   "5064416"   "5069424"   "5104383"   "5104389"   "5127626"   "5127909"   "5167636"   "5180373"   "5195980"   "5197955"   "5209737"   "5226891"   "5269771"   "5308336"   "5342315"   "5385553"   "5411483"   "5423848"   "5476475"   "5492304"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/13 14:50
L27	2	((("5209737") or ("5820600"))).PN.	USPAT; USOCR	OR	OFF	2009/03/13 15:38
S1	20	((laparoscopic with port) with seal)	USPAT	OR	OFF	2007/12/09 16:06

S2	7	("5209737") or ("5308336") or ("5385553") or ("5545142") or ("5603702") or ("5407433") or ("5411483") or ("5411483")).PN.	USPAT; USOCR	OR	OFF	2007/12/09 16:13
S3	1	("5820600").PN.	USPAT; USOCR	OR	OFF	2007/12/09 16:15
S4	303	(604/23).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:22
S5	150	(604/24).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:24
S6	46	(604/25).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:24
S7	318	(604/26).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:28
S8	80	(604/108).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:30
S9	431	(604/164.01).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:30
S10	122	("3421509"   "3565078"   "3853127"   "3907310"   "3994287"   "4000739"   "4112932"   "4173350"   "4177814"   "4177997"   "4202554"   "4240335"   "4240411"   "4311315"   "4334688"   "4338689"   "4386756"   "4387879"   "4430081"   "4447237"   "4464178"   "4553760"   "4588195"   "4595207"   "4601710"   "4626245"   "4641842"   "4654030"   "4655752"   "4673393"   "4705511"   "4715360"   "4723550"   "4758225"   "4779904"   "4842591"   "4844483"   "4844484"   "4857062"   "4869717"   "4874378"   "4889349"   "4909798"   "4917668"   "4929235"   "4932633"   "4943280"   "4960412"   "4966588"   "4971336"   "4998740"   "5000745"   "5002557"   "5015000"   "5029875"   "5038756"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/09 16:31

		"5041095"   "5053014"   "5053016"   "5073169"   "5104383"   "5127626"   "5137520"   "5167636"   "5180373"   "5197955"   "5201530"   "5201714"   "5209736"   "5209737"   "5221264"   "5226891"   "5242412"   "5290304"   "5299813"   "5300036"   "5308336"   "5316318"   "5320611"   "5342315"   "5354280"   "5380288"   "5385553"   "5391153"   "5395342"   "5400586"   "5407433"   "5411483"   "5429609"   "5439455"   "5443452"   "5474305"   "5480165"   "5485553"   "5496280"   "5545142"   "5554124"   "5568931"   "5584850"   "5603702"   "5628732"   "5634908"   "5643227"   "5643301"   "5709664"   "5743884"   "5752938"   "5782812"   "5782817"   "5792113"   "5827228"   "5857999"   "5868714"   "5944320"   "5989224"   "5997515"   "6042119"   "6210064"   "6228061"   "6276661"   "RE36702").PN.				
S11	2	("6923783").URPN.	USPAT	OR	OFF	2007/12/09 16:33
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		"4857062"   "4869717"   "4874377"   "4874378"   "4889349"   "4909798"   "4917668"   "4929235"   "4932633"   "4943280"   "4960412"   "4966588"   "4998740"   "5000745"   "5002557"   "5015000"   "5038756"   "5041095"   "5053014"   "5053016"   "5064416"   "5073169"   "5104383"   "5127626"   "5137520"   "5167636"   "5180373"   "5197955"   "5201714"   "5209736"   "5209737"   "5221264"   "5226891"   "5242412"   "5290304"   "5299813"   "5300033"   "5300036"   "5308336"   "5342315"   "5350364"   "5385553"   "5395342"   "5407433"   "5411483"   "5463010"   "5496280"   "5545142"   "5603702"   "5613954"   "5628732"   "5634908"   "5709664"   "5752938"   "5807338"   "5827228"   "5865807"   "5868714"   "6004326"   "6079692"   "6228061"   "6354602"   "6482181"   "RE36702"). PN.				
S13	7	("6702787").URPN.	USPAT	OR	OFF	2007/12/09 16:39
S14	125	(604/167.01).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:41
S15	117	(604/167.02).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:43
S16	164	(604/167.03).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:43
S17	8	("2844351"   "3185179"   "4314555"   "4540411"   "4580573"   "4978341"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/09 16:45
S18	69	("5158553").URPN.	USPAT	OR	OFF	2007/12/09 16:47
S19	115	(604/167.04).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:48

S20	29	(604/167.05).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:49
S21	69	(604/167.06).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:50
S22	724	(604/256).CCLS.	USPAT; USOCR	OR	OFF	2007/12/09 16:54
S23	1	("5820600").PN.	USPAT; USOCR	OR	OFF	2007/12/09 17:35
S24	2	((("5603702") or ("3920215")).PN.	USPAT; USOCR	OR	OFF	2007/12/09 17:35
S25	57	((("6174309") or ("20020072713") or ("20040215209") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or ("6458130") or ("6473512") or ("6500176") or ("6533784") or ("6585735") or ("6626901") or ("6656177") or ("6682528") or ("6770072") or ("6802843") or ("6860880") or ("6905497") or ("6908463") or ("6913579") or ("6926716") or	USPAT; USOCR	OR	OFF	2008/08/30 21:55

("6929644") or  
("7011657") or  
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("7083618") or  
("7090673") or  
("7101372") or  
("7101373") or  
("7118587") or  
("7131970") or  
("7131971") or  
("7186253") or  
("7195631") or  
("7211079") or  
("7211080") or  
("7255697") or  
("7267677") or  
("7329256") or  
("7354440") or  
("20020115997") or  
("20020120266") or  
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("20030040745") or  
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("20050137592") or  
("20050171535") or  
("20050192568") or  
("20050197659") or



		("20050240179") or ("20050267464") or ("20060052777") or ("20060069388") or ("20060079890")).PN.				
S26	100	(("3795085") or ("3910014") or ("4469983") or ("4723092") or ("5477709") or ("5501394") or ("5518578") or ("5592802") or ("6006503") or ("6041579") or ("6152188") or ("6516589") or ("6632306") or ("6656310") or ("6719303") or ("6732496") or ("6736545") or ("6810644") or ("6843244") or ("6877295") or ("6925780") or ("7000366") or ("7344671") or ("20030034026") or ("20050109452") or ("20060185241") or ("20070093851") or ("20080000591") or ("3579958") or ("3583125") or ("3583126") or ("3599387") or ("3616087") or ("3636861") or ("3648302") or ("3651557") or ("3668815") or ("3672295") or ("3687059") or ("3698310") or ("3698419") or ("3719021") or ("3763622") or ("3777451") or ("3796504") or ("3798737") or ("3849965") or ("3878904") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/30 21:59

("3879102") or  
("3892060") or  
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("3926446") or  
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("3975030") or  
("3983682") or  
("4000708") or  
("4018029") or  
("4019725") or  
("4035983") or  
("4044528") or  
("4062101") or  
("4079662") or  
("4102111") or  
("4104849") or  
("4136505") or  
("4169004") or  
("4185340") or  
("4189519") or  
("4213284") or  
("4219988") or  
("4220259") or  
("4227721") or  
("4249364") or  
("4276771") or  
("4289175") or  
("4291520") or  
("4295004") or  
("4305606") or  
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("4353196") or  
("4385643") or  
("4387547") or  
("4413783") or  
("4423583") or  
("4426758") or  
("4434853") or  
("4442656") or  
("4474216") or  
("4517787") or  
("4537012") or  
("4537016") or  
("4560351") or  
("4570791") or  
("4600036") or  
("4601159") or  
("4604854") or  
("4613320") or  
("4619102")).PN.

S27	0	("2007/0093851").URPN.	USPAT	OR	OFF	2008/08/30 22:00
S28	100	(("6174309") or ("20020072713") or ("20040215209") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or ("6458130") or ("6473512") or ("6500176") or ("6533784") or ("6585735") or ("6626901") or ("6656177") or ("6682528") or ("6770072") or ("6802843") or ("6860880") or ("6905497") or ("6908463") or ("6913579") or ("6926716") or ("6929644") or ("7011657") or ("7083613") or ("7083618") or ("7090673") or ("7101372") or ("7101373") or ("7118587") or ("7131970") or ("7131971") or	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/30 22:15

("7186253") or  
("7195631") or  
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("7211080") or  
("7255697") or  
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("20020120266") or  
("20020169392") or  
("20020177848") or  
("20020188294") or  
("20030014052") or  
("20030014053") or  
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("20030040745") or  
("20030069571") or  
("20030069579") or  
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("20030114851") or  
("20030129382") or  
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("20030181910") or  
("20030195498") or  
("20030199869") or  
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("20050137592") or  
("20050171535") or  
("20050192568") or  
("20050197659") or  
("20050240179") or  
("20050267464") or  
("20060052777") or  
("20060069388") or  
("20060079890")).PN.

S29	43	(("6174309") or ("20020072713") or ("20040215209") or ("5285955") or ("6635072") or ("4509518") or ("4624254") or ("4938353") or ("5352223") or ("5366477") or ("5382254") or ("5395369") or ("5549606") or ("5590570") or ("5637108") or ("5695522") or ("5720756") or ("5725537") or ("5727428") or ("5891159") or ("5913874") or ("5964774") or ("6044628") or ("6099551") or ("6228083") or ("6451018") or ("6458130") or ("6473512") or ("6500176") or ("6533784") or ("6585735") or ("6626901") or ("6656177") or ("6682528") or ("6770072") or ("6802843") or ("6860880") or ("6905497") or ("6908463") or ("6913579") or ("6926716") or ("6929644") or ("7011657") or ("7083613") or ("7083618") or ("7090673") or ("7101372") or ("7101373") or ("7118587") or ("7131970") or ("7131971") or ("7186253") or ("7195631") or	US-PGPUB	OR	OFF	2008/08/30 22:15
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		("7211079") or ("7211080") or ("7255697") or ("7267677") or ("7329256") or ("7354440") or ("20020115997") or ("20020120266") or ("20020169392") or ("20020177848") or ("20020188294") or ("20030014052") or ("20030014053") or ("20030018331") or ("20030040745") or ("20030069571") or ("20030069579") or ("20030078577") or ("20030114851") or ("20030129382") or ("20030144652") or ("20030181910") or ("20030195498") or ("20030199869") or ("20030199870") or ("20030212444") or ("20030229344") or ("20040073205") or ("20040082952") or ("20040087943") or ("20040116924") or ("20040122423") or ("20040162557") or ("20040243125") or ("20040249371") or ("20040249374") or ("20050021027") or ("20050119655") or ("20050137592") or ("20050171535") or ("20050192568") or ("20050197659") or ("20050240179") or ("20050267464") or ("20060052777") or ("20060069388") or ("20060079890")).PN.				
S30	3	("3920215"   "5603702"   "5820600").PN.	USPAT	OR	OFF	2008/08/30 22:18

S31	76	( "2797837"   "3197173"   "3473779"   "3875938"   "3970089"   "3977400"   "4000739"   "4177814"   "4233982"   "4240411"   "4243034"   "4338934"   "4379458"   "4424833"   "4430081"   "4512766"   "4531937"   "4535773"   "4569502"   "4580573"   "4609300"   "4610665"   "4610674"   "4611785"   "4626245"   "4629450"   "4634432"   "4654030"   "4655752"   "4673393"   "4683916"   "4759751"   "4798594"   "4813938"   "4842591"   "4857062"   "4874377"   "4895346"   "4909798"   "4917668"   "4929235"   "4935010"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5006114"   "5009391"   "5053014"   "5092857"   "5098393"   "5112321"   "5127626"   "5156596"   "5161773"   "5167636"   "5180373"   "5197955"   "5205831"   "5209737"   "5211634"   "5242412"   "5256150"   "5300033"   "5312362"   "5312363"   "5342315"   "5350364"   "5385553"   "5460616"   "5492304"   "5496280").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/30 22:19
S32	47	("5603702").URPN.	USPAT	OR	OFF	2008/08/30 22:25
S33	41	( "4917668"   "5104383"   "5127626"   "5180373"   "5197955"   "5209736"   "5209737"   "5242412"   "5304143"   "5308336"   "5342315"   "5350364"   "5354280"   "5380288"   "5388553"   "5391153"   "5391154"   "5407433"   "5411483"   "5443452"   "5485553"   "5492304"   "5496280"   "5542931"   "5545142"   "5549565"   "5584850"   "5603702"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/30 22:28

		"5628732"   "5634908"   "5693031"   "5709664"   "5752938"   "5782812"   "5792113"   "5803919"   "5827228"   "5871471"   "5895377"   "6083203"   "6093176").PN.				
S34	0	("7025747").URPN.	USPAT	OR	OFF	2008/08/30 22:32
S35	2	((("5820600") or ("7025747")).PN.	USPAT; USOCR	OR	OFF	2009/03/09 17:50
S36	31	("3685786"   "4177814"   "4211214"   "4538594"   "4649904"   "4809679"   "4874364"   "4920953"   "5048508"   "5127626"   "5167636"   "5209219"   "5209737"   "5211633"   "5221264"   "5304143"   "5308336"   "5334164"   "5338313"   "5354280"   "5385552"   "5385553"   "5389081"   "5391153"   "5397335"   "5407433"   "5411483"   "5431676"   "5512053"   "5607397"   "5657963").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:34
S37	29	("3994287"   "4000739"   "4112932"   "4177814"   "4601710"   "4626245"   "4654030"   "4673393"   "4705511"   "4869717"   "4874378"   "4909798"   "4929235"   "4932633"   "4943280"   "4960412"   "5000745"   "5002557"   "5041095"   "5053016"   "5073169"   "5104383"   "5137520"   "5180373"   "5197955"   "5209736"   "5209737"   "5226891"   "5242412").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:42
S38	87	("5197955").URPN.	USPAT	OR	OFF	2009/03/10 13:44
S39	59	S38 and rotat\$4	USPAT	OR	OFF	2009/03/10 13:44



S40	20	("5104383"   "5197955"   "5209737"   "5308336"   "5385553"   "5407433"   "5411483"   "5476475"   "5531758"   "5545142"   "5554124"   "5569205"   "5603702"   "5628732"   "5634908"   "5792113"   "5820600"   "5827228"   "6228061"   "6923783"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:46
S41	10	S40 and rotat\$4	USPAT	OR	OFF	2009/03/10 13:46
S42	5	("4177814"   "5127626"   "5158553"   "5256150"   "5350364").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:48
S43	24	("0729423"   "3086797"   "3197173"   "3438607"   "3920215"   "3977400"   "4149535"   "4231400"   "4243034"   "4324239"   "4378013"   "4473369"   "4496348"   "4634421"   "4723550"   "4786028"   "4839471"   "4960259"   "4978341"   "5009643"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 13:51
S44	94	("5127626").URPN.	USPAT	OR	OFF	2009/03/10 14:01
S45	73	("0729423"   "2797837"   "3086797"   "3197173"   "3438607"   "3766916"   "3788318"   "3811440"   "3856010"   "3875938"   "3920215"   "3970089"   "3977400"   "3994287"   "4000739"   "4149535"   "4177814"   "4202527"   "4231400"   "4240411"   "4243034"   "4324239"   "4378013"   "4424833"   "4430081"   "4436519"   "4473369"   "4475548"   "4496348"   "4580573"   "4610665"   "4610674"   "4626245"   "4634421"   "4654030"   "4655752"   "4673393"   "4723550"   "4786028"   "4798594"   "4817631"   "4839471"   "4842591"   "4869717"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 14:24

		"4874377"   "4884091"   "4895565"   "4909798"   "4917668"   "4929235"   "4943280"   "4960259"   "4960412"   "4978341"   "5000745"   "5009391"   "5009643"   "5041095"   "5053014"   "5053016"   "5104383"   "5104389"   "5127626"   "5127909"   "5197955"   "5211370"   "5211633"   "5221264"). PN.				
S46	21	S45 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:24
S47	26	("5389081").URPN.	USPAT	OR	OFF	2009/03/10 14:29
S48	16	S47 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:29
S49	12	("5554124").URPN.	USPAT	OR	OFF	2009/03/10 14:32
S50	21	S46 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:32
S51	9	S49 and rotat\$4	USPAT	OR	OFF	2009/03/10 14:32
S52	1	("4112932").PN.	USPAT; USOCR	OR	OFF	2009/03/10 14:33
S53	87	("0729423"   "2797837"   "3086797"   "3197173"   "3438607"   "3766916"   "3811440"   "3856010"   "3875938"   "3920215"   "3970089"   "3977400"   "3994287"   "4000739"   "4149535"   "4177814"   "4231400"   "4240411"   "4243034"   "4324239"   "4338933"   "4378013"   "4424833"   "4430081"   "4436519"   "4473369"   "4475548"   "4496348"   "4580573"   "4610665"   "4610674"   "4626245"   "4634421"   "4654030"   "4655752"   "4673393"   "4699356"   "4715360"   "4723550"   "4758225"   "4786028"   "4798594"   "4817631"   "4839471"   "4842591"   "4857062"   "4869717"   "4895346"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:00

		"4895565"   "4909798"   "4917668"   "4929235"   "4960259"   "4960412"   "4966588"   "4978341"   "5000745"   "5009391"   "5009643"   "5041095"   "5053014"   "5053016"   "5064416"   "5069424"   "5104383"   "5104389"   "5127626"   "5127909"   "5167636"   "5180373"   "5195980"   "5197955"   "5209737"   "5226891"   "5269771"   "5308336"   "5342315"   "5385553"   "5411483"   "5423848"   "5476475"   "5492304"). PN.				
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S55	13	("3595239"   "3964487"   "4550727"   "4580562"   "4682981"   "4788977"   "4793345"   "4807620"   "4986814"   "5053016"   "5066288"   "5104383"   "5221281").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:02
S56	3	S55 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:03
S57	22	("5423848").URPN.	USPAT	OR	OFF	2009/03/10 16:03
S58	15	S57 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:03
S59	7	("2797837"   "3459183"   "3766916"   "3811440"   "3853127").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:13
S60	77	("3977400").URPN.	USPAT	OR	OFF	2009/03/10 16:13
S61	53	S60 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:14
S62	21	("5657963").URPN.	USPAT	OR	OFF	2009/03/10 16:19
S63	8	S62 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:19

S64	20	("3853127"   "3994287"   "4240411"   "4430081"   "4673393"   "4715360"   "4723550"   "4758225"   "4842591"   "4857062"   "4909798"   "4917668"   "4929235"   "4960412"   "4966588"   "5104383"   "5127626"   "5180373"   "5197955"   "5209737"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:30
S65	5	S64 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:31
S66	63	("5385553").URPN.	USPAT	OR	OFF	2009/03/10 16:31
S67	53	("20020007153"   "20020010425"   "20040049173"   "20040064100"   "20040147949"   "20040230161"   "3504699"   "3773233"   "4436519"   "4601710"   "4610665"   "4654030"   "4902280"   "4931042"   "4932633"   "5030206"   "5053013"   "5104383"   "5203773"   "5209737"   "5211634"   "5246425"   "5300033"   "5308336"   "5324270"   "5330437"   "5342315"   "5364372"   "5366445"   "5385552"   "5385553"   "5441041"   "5456284"   "5467762"   "5534009"   "5542931"   "5569160"   "5578016"   "5584850"   "5603702"   "5643301"   "5807338"   "5895377"   "6024729"   "6086603"   "6277100"   "6302852"   "6352520"   "6569120"   "6613063"   "6685630"   "6702787"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 16:37
S68	19	S67 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:43
S69	33	S66 and rotat\$4	USPAT	OR	OFF	2009/03/10 16:57

S70	57	( "2416391"   "2569850"   "3086797"   "3197173"   "3329390"   "3875938"   "3989049"   "3994287"   "4000739"   "4177814"   "4233982"   "4240411"   "4338934"   "4379458"   "4424833"   "4430081"   "4512766"   "4531937"   "4535773"   "4540411"   "4580573"   "4601710"   "4610665"   "4610674"   "4611785"   "4626245"   "4629450"   "4634432"   "4654030"   "4655752"   "4673393"   "4705511"   "4798594"   "4804375"   "4813938"   "4842591"   "4857062"   "4874377"   "4895346"   "4909798"   "4917668"   "4929235"   "4935010"   "4960412"   "4966588"   "4978341"   "5000745"   "5006114"   "5009391"   "5158553"   "5197955"   "5203774"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:18
S71	100	(( "6174309") or "20020072713") or "20040215209") or "5285955") or "6635072") or "4509518") or "4624254") or "4938353") or "5352223") or "5366477") or "5382254") or "5395369") or "5549606") or "5590570") or "5637108") or "5695522") or "5720756") or "5725537") or "5727428") or "5891159") or "5913874") or "5964774") or "6044628") or "6099551") or "6228083") or "6451018") or	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:33

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S72	2	("2002/0072713").URPN.	USPAT	OR	OFF	2009/03/10 17:34
S73	100	(( "3795085") or "3910014") or "4469983") or "4723092") or "5477709") or "5501394") or "5518578") or "5592802") or "6006503") or "6041579") or "6152188") or "6516589") or "6632306") or "6656310") or "6719303") or "6732496") or "6736545") or "6810644") or "6843244") or "6877295") or "6925780") or "7000366") or "7344671") or "20030034026") or "20050109452") or "20060185241") or "20070093851") or "20080000591") or "3579958") or "3583125") or "3583126") or	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:36

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("3975030") or  
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		("4423583") or ("4426758") or ("4434853") or ("4442656") or ("4474216") or ("4517787") or ("4537012") or ("4537016") or ("4560351") or ("4570791") or ("4600036") or ("4601159") or ("4604854") or ("4613320") or ("4619102")).PN.				
S74	6	("3920215"   "4513948"   "5033519"   "5389081"   "5603702"   "5820600"). PN.	USPAT	OR	OFF	2009/03/10 17:37
S75	7	("5033519").URPN.	USPAT	OR	OFF	2009/03/10 17:38
S76	70	("0979819"   "1219222"   "1246033"   "1262443"   "1268947"   "1289490"   "1312531"   "1313386"   "1360869"   "1462253"   "1463129"   "1689066"   "1859009"   "1892455"   "1978314"   "2199085"   "2299360"   "2340936"   "2499409"   "2685891"   "2705372"   "2811179"   "2918931"   "2918932"   "3189039"   "3347263"   "3438316"   "3495635"   "3563263"   "3610273"   "3661175"   "3787022"   "3791407"   "3794077"   "3895402"   "4175296"   "4266582"   "4396034"   "4407325"   "4469116"   "4630655"   "4703874"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:39
S77	767	(251/212).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/10 17:56
S78	1111	(251/251).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 12:33

S79	483	(251/257).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 12:34
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**3/ 13/ 2009 4:30:41 PM**

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